

# Satellite cells in skeletal muscle atrophy and hypertrophy

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Stellingen  
Behorend bij het proefschrift:

**Satellite cells in skeletal muscle atrophy and hypertrophy**

1. Een daling in het aantal satellietcellen is geen voorwaarde voor het ontstaan van spiervezelatrofie op korte termijn (*dit proefschrift*).
2. Om de rol van satellietcellen in spiervezelatrofie en/of hypertrofie te kunnen bepalen is het noodzakelijk dat het aantal en de functie van de satellietcellen per spiervezeltype worden geanalyseerd (*dit proefschrift*).
3. De toename in het aantal satellietcellen tijdens herstel na fysieke inspanning is vertraagd in gezonde oudere mannen (*dit proefschrift*).
4. Een toename in het spiercelkerndomein is niet de drijvende kracht om het aantal spiercelkernen te laten toenemen tijdens spiervezelhypertrofie (*dit proefschrift*).
5. "Satellite cells are essential for skeletal muscle regeneration: the cell on the edge returns centre stage" (*Relaix and Zammit, Development 2012*).
6. Establishing a reliable method of isolating a pure population of human satellite cells may prove to be essential towards developing a stem cell based therapy for muscle disease (adapted from: *Bareja and Billen, Skeletal Muscle 2013*).
7. "When it comes to studying ageing and the means to slow it down, mice are not just small humans" (*Demetrius, EMBO rep 2005*).
8. The assumption that exercise protocols, developed from small short-term experimental intervention studies, are automatically adopted by the general public is fictitious.
9. Het drinken van koffie is absoluut geen noodzaak om een promotie traject met succes te kunnen afronden.
10. "Uit onderzoek is gebleken dat onderzoeken veel leuker is dan antwoorden vinden" (*Loesje*).
11. Promoveren doe je niet alleen (*A.M.J. Gilsing en T. Snijders*).

T. Snijders, 18 december 2014